Since the cited art lacks both structure and function and of Applicant's device, as noted above, the Examiner's objections under Section 102 are respectfully traversed.

Consequently claim 1 and dependent claims thereto should now all be allowable.

REMARKS

The claims have been amended to better define the patentable subject matter of the invention and to overcome the Examiner's objections and all claims should now be allowable.

The specification has been amended to correct the typographical errors that the Examiner graciously pointed out.

All claims should now be allowable.

Should the Examiner have any further questions or concerns the Examiner wishes to address by telephone or otherwise, or should the Examiner have suggestions to more clearly define the subject matter of the claims in order to more clearly define the patentable subject matter, the Applicant's attorney would be most receptive to such.

Respectfully submitted,

12702 Via Cortina, Ste. 100
Del Mar, CA 92014

Donn K. Harms 06/14/03
Reg No 38,911
Attorney for Applicant

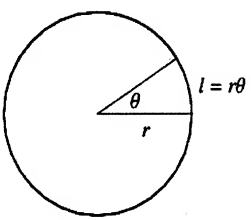
OIPE JUN 20 2003 PATENT & TRADEMARK OFFICE

Arc

DOWNLOAD Mathematica Notebook MathReader

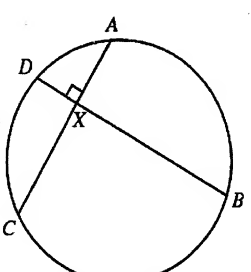
Portions of this entry contributed by Margherita Barile

In general, an arc is any ~~smooth curve joining two points~~. The length of an arc is known as its arc length.



In particular, an arc is any portion (other than the entire curve) of the circumference of a circle. For a circle of radius r, the arc length l subtended by a central angle θ is proportional to θ, and if θ is measured in radians, then the constant of proportionality is 1, i.e.,

$$l = r\theta.$$



As Archimedes [2] proved, for chords AC and BD which are perpendicular to each other,

OIPE
JUN 20 2003
PATENT & TRADEMARK OFFICE

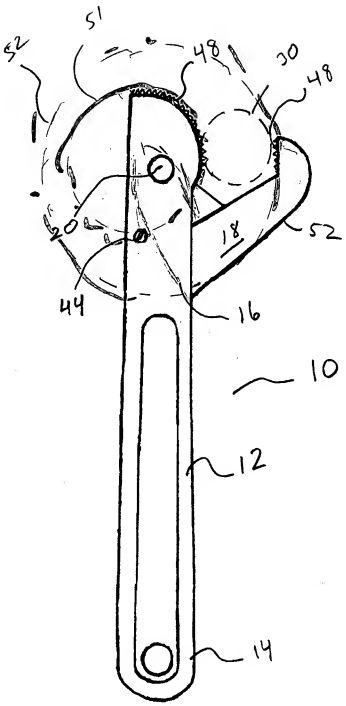


FIG 2